



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

**D205-596-105**  
**Job Sheet 176720**



**Part No:** D205-596-105

**Job Qty:** 1 ea

**Part Name:** Fwd Crosstube - Extended Height 31"



**Part Weight:** 0 lbs

**Status:** Scheduled

**Priority:** Medium

**Job Created:** 4/30/18

**Job Tracking No:**

**Due Date:** 5/18/18

**Created By:** Michelle Gagnon-Donovan

**Type:** Stock

**Description:**

**Note:** D205-596-105 REV.C IPP Rev:D 05.03.21 Added bending procedure KJ/JLM IPP Rev:E 08-01-10 ECN 1075 DD IPP Rev F 08.04.28 Added bending & mat'l EC verified by: DD IPP rev G 10.05.27 chg QC15 to QC6 EC verified by: DD IPP REV:H 13.11.29 as per dwg DEO B-2 DD VERF:JLM IPP REV:I 18.02.08 AS PER DWG REV.C DD VERF:JFS

**Ship Via:**

### Bill of Materials

### Job Routing

| Op No | Operation           | Qty   | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | Sign-off |
|-------|---------------------|-------|------------|----------|-----------|---------|-----------------------|-----------|----------|
|       |                     |       |            |          | Setup hrs | Run Hrs | Workcenter / Supplier | Lead Time |          |
| 90    | Start up Operation  | 1 Ea  |            | 5/18/18  | 0.00      | 0.00    | Start Up Crosstubes-1 |           | GP       |
| 105   | HandFXtube          | 1 pcs |            | 5/18/18  | 0.00      | 0.51    | HandFinish5           |           |          |
| 107   | QC                  | 1 pcs |            | 5/18/18  | 0.00      | 0.00    | QC7-1                 |           |          |
| 110   | CNC Bend Crosstubes | 1 pcs |            | 5/18/18  | 2.55      | 0.00    | CNC Bend Crosstube    |           |          |
| 130   | QC                  | 1 pcs |            | 5/18/18  | 0.00      | 0.00    | QC15                  |           |          |
| 140   | Crosstubes          | 1 pcs |            | 5/18/18  | 0.00      | 1.37    | Crosstubes-1          |           |          |
| 150   | HandFXtube          | 1 pcs |            | 5/18/18  | 0.00      | 0.51    | Crosstubes-3          |           |          |
| 155   | QC                  | 1 pcs |            | 5/18/18  | 0.00      | 0.00    | QC7-1                 |           |          |
| 160   | QC                  | 1 pcs |            | 5/18/18  | 0.00      | 0.00    | QC5                   |           |          |
| 170   | SprayPaint          | 1 pcs |            | 5/18/18  | 0.00      | 2.03    | Spray Paint           |           |          |
| 180   | QC                  | 1 pcs |            | 5/18/18  | 0.00      | 0.00    | QC14                  |           |          |
| 190   | Crosstubes          | 1 pcs |            | 5/18/18  | 0.00      | 1.37    | Crosstubes-1          |           |          |
| 200   | QC                  | 1 pcs |            | 5/18/18  | 0.00      | 0.00    | QC5                   |           |          |
| 205   | DC                  | 1 pcs |            | 5/18/18  | 0.00      | 0.00    | DC                    |           |          |
| 210   | Packaging           | 1 pcs |            | 5/18/18  | 0.00      | 0.00    | Packaging3-1          |           |          |
| 220   | QC21-FG             | 1 Ea  |            | 5/18/18  | 0.00      | 0.00    | QC21                  |           | PD       |

#### Part Op 105 - INSIDE AND OUT

**Descriptions:** 110 - Bend as per Dwg D2889 using CNC bender program

140 - 1-Cut as per Dwg D205-596-105 2-\*\*\* WEAR LATEX GLOVES WHEN HANDLING CROSSTUBE\*\*\* Deburr & Inspect for surface damage. Polish cut surface. Scribe part # and batch # on one end of tube.

150 - \*\*\*IMMEDIATELY AFTER GRINDING\*\*\*

170 - \*\*\* WEAR LATEX GLOVES WHEN HANDLING CROSSTUBE\*\*\* 1-Prime inside and outside as per dwg and per QSI 005 4.1 Batch: 2- Paint outside per QSI 005 4.2 Batch:

190 - 1- Lightly scuff the bonded area using a 180 grit sand paper and clean the area with 41058 wash 'n' wipe 2- Apply Proseal as per dwg D205-596-105. 3- Install clamps as per dwg (Note 12) Torque clamps 80 to 100 in-lb as per dwg and Note 13 )

200 - \*\*\*PRIOR TO PACKAGING RECHECK TORQUE ON CLAMPS AFTER PROSEAL HAS CURED 72HOURS.\*\*\*

205 - Photocopy D205-594 bluefile & type labels per PPP D205-596-105 CHG003

210 - Identify and pack for shipping as per PPP D205-596-105



DART Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
CANADA  
TEL.: 1 613 632-5200  
Email: sales@dartaero.com  
www.dartaerospace.com

Container No: S066859



Part: D205-596-105

Job No: 176720

Serial No/Batch: S066859

Revision: C

Inspector:

Date: 04/30/16

C  
C  
E  
F  
F  
D  
F  
C

**Job BOM**

| Part / Item   | Component Name                         | Quantity    | Operation             | Container |
|---------------|----------------------------------------|-------------|-----------------------|-----------|
| D6005-180     | Crosstube Material                     | 1 Ea (1 ea) | 90-Start up Operation |           |
| D2893-1       | Support                                | 2 Ea (2 ea) | 190-Crosstubes        |           |
| D3595-063-450 | Rubber Cushion 0.63" Wide X 4.50" Long | 4 Ea (4 ea) | 190-Crosstubes        |           |
| MS21920-25    | Clamp                                  | 4 Ea (4 ea) | 190-Crosstubes        |           |

**Job Allocations**

| Operation             | Component Part | Required | Inventory | Allocated |
|-----------------------|----------------|----------|-----------|-----------|
| 90-Start up Operation | D6005-180      | 1        | 18        | 0         |
| 190-Crosstubes        | D2893-1        | 2        | 10        | 0         |
|                       | D3595-063-450  | 4        | 52        | 0         |
|                       | MS21920-25     | 4        | 107       | 0         |

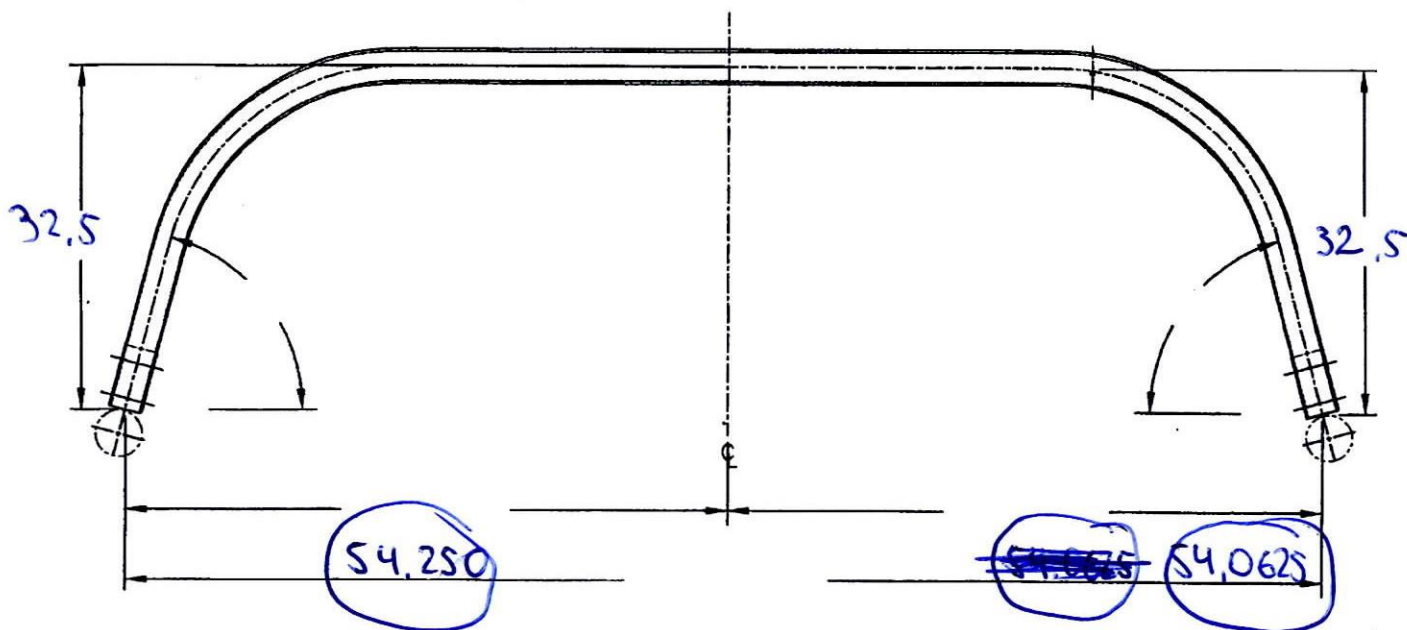
**Part Specifications**

Specifications could not be found.

Plex 4/30/18 8:13 AM Dart.Gagnon.Michelle

|                                                   |  |                                  |
|---------------------------------------------------|--|----------------------------------|
| <b>DART AEROSPACE LTD</b>                         |  | <b>Work Order:</b> 176720        |
| <b>Description:</b> Crosstube High-High Fwd       |  | <b>Part Number:</b> D205-596-105 |
| <b>Inspection Dwg:</b> D205-596-105 <b>Rev:</b> B |  | <b>Page 1 of 1</b>               |

| Required Dimension | Min   | Max   |
|--------------------|-------|-------|
| Height             | 32.4  | 32.6  |
| 1/2 Span           | 54.6  | 54.8  |
| Angle              | 49    | 52    |
| Total Span         | 109.2 | 109.6 |
| Bending Passes     | 3     | --    |
| Crushing           | --    | 6%    |



|                | Side A | Side B |
|----------------|--------|--------|
| Bending Passes |        |        |
| Crushing       |        |        |
| Comments       |        |        |
|                |        |        |
|                |        |        |
|                |        |        |
|                |        |        |

|                 |  |
|-----------------|--|
| QC15 Inspection |  |
| Date            |  |

| Rev | Date     | Change                             | Revised by | Approved |
|-----|----------|------------------------------------|------------|----------|
| A   | 07.02.06 | New Issue                          | KJ/JM      |          |
| B   | 08.04.21 | Dwg Rev updated                    | KJ/JM      |          |
| C   | 12.04.16 | Added bending, crushing dimensions | KJ         |          |



**PARTS LIST:**

| ITEM | QTY<br>-105 | QTY<br>-105B | PART NUMBER     | DESCRIPTION                        |
|------|-------------|--------------|-----------------|------------------------------------|
|      | X           |              | D205-596-105    | CROSSTUBE ASSEMBLY, HI-HI FWD      |
|      |             | X            | D205-596-105B   | CROSSTUBE ASSEMBLY, HI-HI FWD, 214 |
| 1    | 1           | 1            | D6005-180       | CROSSTUBE                          |
| 2    | 2           |              | D2893-1         | SUPPORT                            |
| 3    | 4           | 4            | D3595-063-450   | RUBBER CUSHION                     |
| 4    |             | 2            | D5018-1         | SUPPORT, 214 AFT                   |
| 5    | 4           | 4            | MS21920-25      | CLAMP                              |
| 6    | A/R         | A/R          | PROSEAL 890 B-2 | SEALANT (OR AMS-S-8802 CLASS B-2)  |

**GENERAL NOTES:**

- 1) MATERIAL: MANUFACTURE FROM D6005-180  
FINISHED LENGTH = 134.40 ± 0.02
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1  
PRIME INSIDE AND OUTSIDE PER DART QSI 005 4.2  
PAINT OUTSIDE PER DART 005 4.2
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: SCRIBE DART PART NUMBER AND BATCH NUMBER IN THIS AREA WITH VIBRATING STYLUS
- 7) WEIGHT: 40 lbs
- 8) PART IS SYMMETRIC ABOUT CENTERLINE
- 9) BEND PROGRESSIVELY WITH A MINIMUM OF 3 PASSES. MAXIMUM TUBE FLATTENING DUE TO BENDING IS 6% BASED ON O.D.
- 10) EXTREME CARE MUST BE TAKEN TO PROTECT THE OUTSIDE SURFACE OF THE TUBE. THE OUTSIDE SURFACE MUST BE SMOOTH AND FREE FROM SURFACE DEFECTS SUCH AS SCRATCHES, NICKS, OR DENTS. DEFECTS UP TO 0.005" MAY BE BLENDED OUT LONGITUDINALLY. CIRCUMFERENTIAL GRIND MARKS ARE UNACCEPTABLE.
- 11) TO INSTALL D2893-1 / D5017-1 SUPPORTS: ABRASE MATING SURFACE OF SUPPORT AND CROSSTUBE WITH 180-GRIT SANDPAPER AND REMOVE RESIDUE WITH MEK (OR EQUIVALENT). APPLY A 0.04" TO 0.07" THICK LAYER OF PROSEAL 890 CLASS B-2 (OR AMS-S-8802 CLASS B-2) SEALANT TO MATING SURFACE OF SUPPORT.
- 12) INSTALL MS21920-25 CLAMPS WITH D3595-063-450 RUBBER CUSHIONS TO SECURE D2893-1 / D5017-1 SUPPORT. ENSURE CLAMP MECHANISMS ARE ON TOP SIDE OF CROSSTUBE.  
NOTE: IT IS ACCEPTABLE TO SUBSTITUTE MS21920-25 CLAMPS WITH LONGER (MS21920-26) OR SHORTER (MS21920-24) CLAMPS TO ACCOMMODATE VARYING DIAMETERS. ENSURE THERE IS A MINIMUM OF 1.5 THREADS IN SAFETY ON THE NUTS.
- 13) TORQUE CLAMPS 80 TO 100 IN-LB. ENSURE AT LEAST 1.5 THREADS SHOWING IN SAFETY AND THAT NUT HAS NOT BOTTOMED-OUT AFTER TORQUING. PRIOR TO PACKAGING, RE-CHECK TORQUE ON CLAMPS AFTER PROSEAL 890 SEALANT HAS CURED FOR 72 HOURS.

RELEASED

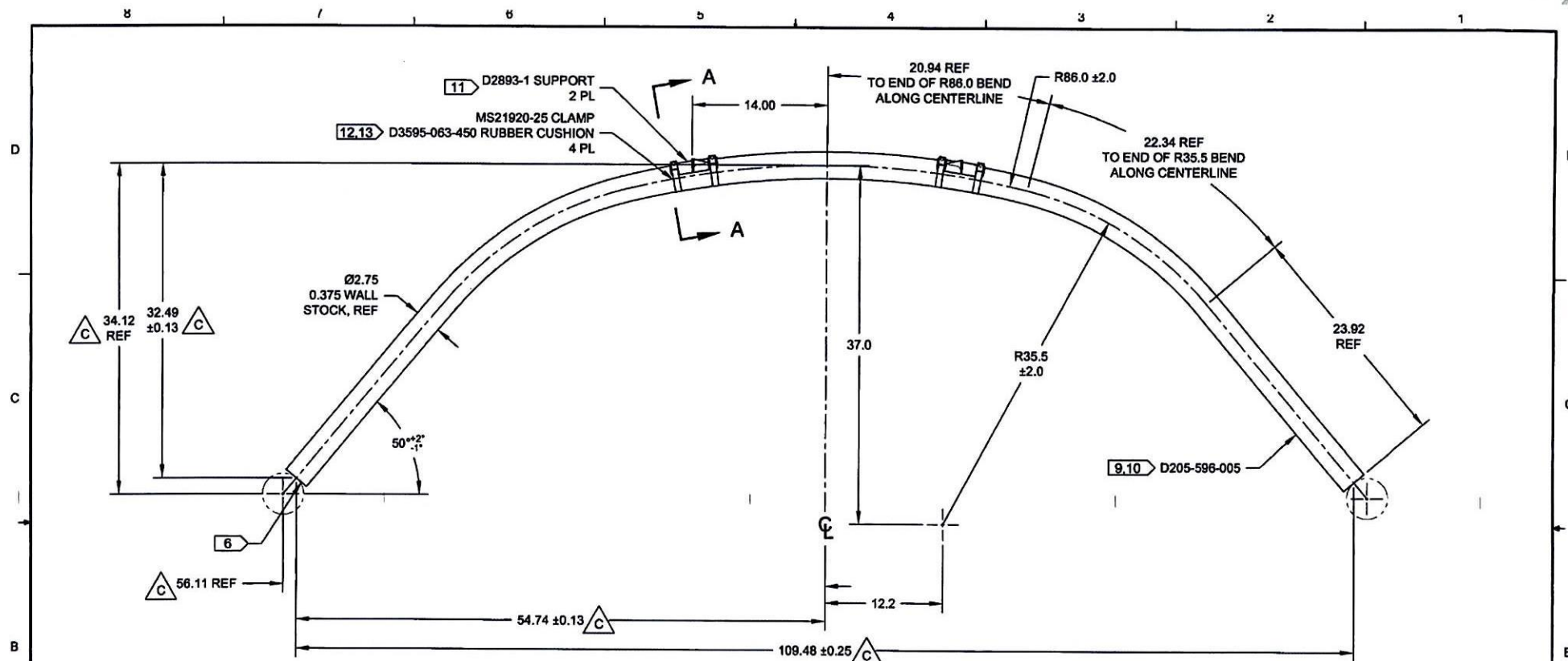
2018 JAN 24 4P  
ECN 18-525

SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 176720

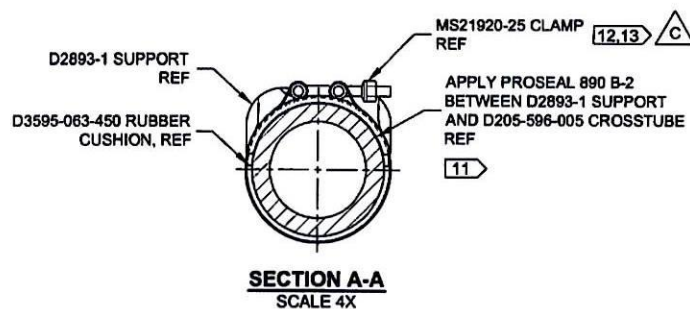
APR 30 2018

|            |                                                                                                                                            |    |          |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------|----|----------|
| C          | REFORMAT, ADD SHT 3, HEIGHT/WIDTH DIM & TOL CHG, ADD TOTAL WIDTH DIM (B4-2, B4-3, CLAMP ORIENTATION FLIPPED (A5-2, A5-3), INCORP ALL DEC'S | CP | 17.08.23 |
| B          | SUPPORT NOW MAGNOBONDED; REMOVE D2856-600-851 ABRASION STRIP; UPDATED NOTES; ADDED D3595-063-450 CUSHION; MS21920-25 WAS MS21920-24        | MB | 07.12.03 |
| A          | NEW ISSUE                                                                                                                                  | DS | 02.11.20 |
| REV.       | DESCRIPTION                                                                                                                                | BY | DATE     |
| DESIGN     |                                                                                                                                            |    |          |
| DRAWN      |                                                                                                                                            |    |          |
| CHECKED    |                                                                                                                                            |    |          |
| MFG. APPR. |                                                                                                                                            |    |          |
| APPROVED   |                                                                                                                                            |    |          |
| DE APPR.   |                                                                                                                                            |    |          |
| DATE       | 17.08.23                                                                                                                                   |    |          |

|                                                                                                                                                                                                                                                                          |                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| <b>DART AEROSPACE LTD</b><br>HAWKESSBURY, ONTARIO, CANADA                                                                                                                                                                                                                |                        |
| DRAWING NO.<br>D205-596-105                                                                                                                                                                                                                                              | REV. C<br>SHEET 1 OF 3 |
| TITLE<br>CROSSTUBE ASSEMBLY, HI-HI FWD                                                                                                                                                                                                                                   | SCALE<br>NTS           |
| COPYRIGHT © 2002 BY DART AEROSPACE LTD<br>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD. |                        |

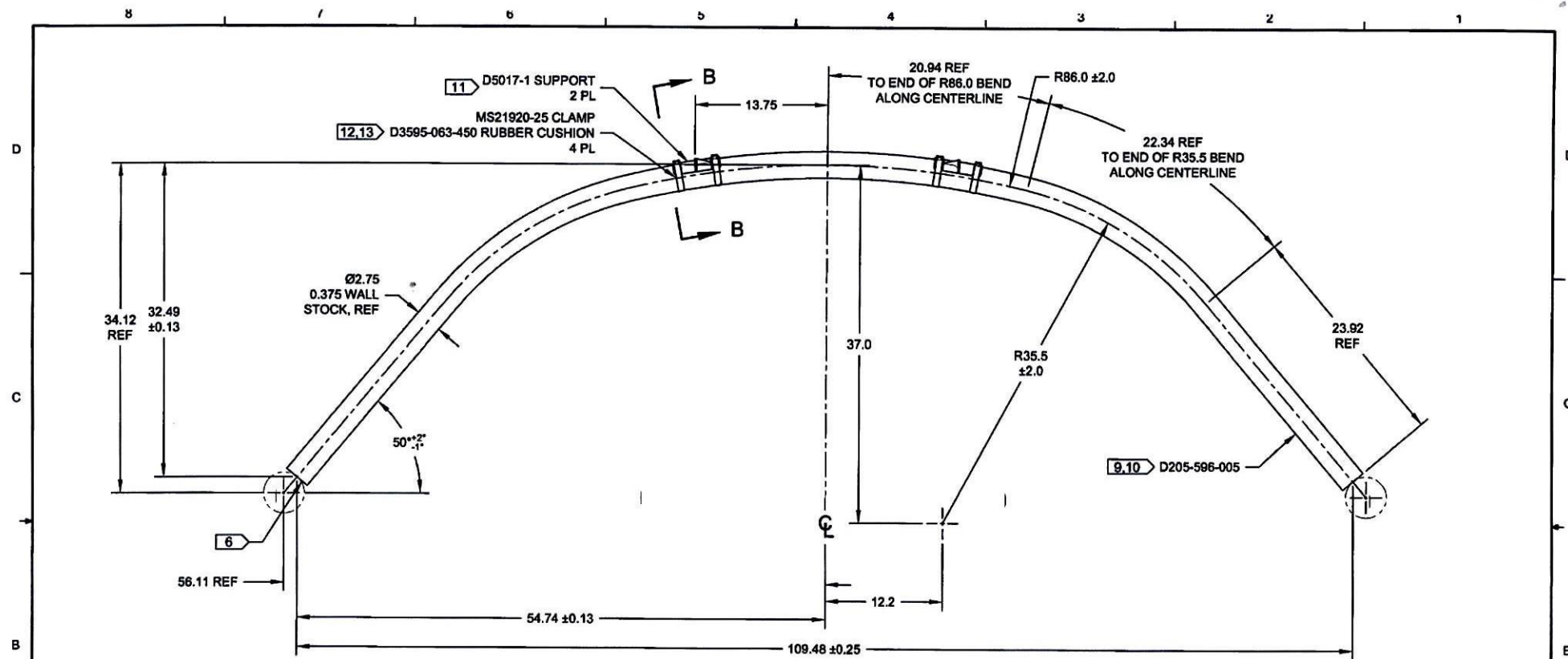


**D205-596-105 CROSSTUBE ASSEMBLY, HI-HI FWD**

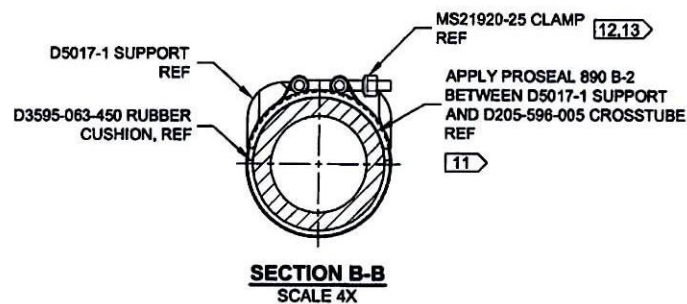


RELEASED  
2010 JAN 26 4P

|            |          |                                                                                                                                                                                                                                                                                         |              |
|------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| DESIGN     | 4        | <b>DART AEROSPACE LTD</b>                                                                                                                                                                                                                                                               |              |
| DRAWN      | q        | HAWKESBURY, ONTARIO, CANADA                                                                                                                                                                                                                                                             |              |
| CHECKED    | ALS      | DRAWING NO.                                                                                                                                                                                                                                                                             | REV. C       |
| MFG. APPR. | DS       | D205-596-105                                                                                                                                                                                                                                                                            | SHEET 2 OF 3 |
| APPROVED   | WM       | TITLE                                                                                                                                                                                                                                                                                   | SCALE        |
| DE APPR.   | q        | CROSSTUBE ASSEMBLY, HI-HI FWD                                                                                                                                                                                                                                                           | NTS          |
| DATE       | 17.08.23 | <small>COPYRIGHT © 2002 BY DART AEROSPACE LTD<br/>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD</small> |              |



**D205-596-105B CROSSTUBE ASSEMBLY, HI-HI FWD, 214** C



RELEASED  
2018 JAN 24 4P

|            |          |                                                                                                                                                                                                                                                                                          |              |
|------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| DESIGN     | 4        | <b>DART AEROSPACE LTD</b>                                                                                                                                                                                                                                                                |              |
| DRAWN      | 9        | HAWKESBURY, ONTARIO, CANADA                                                                                                                                                                                                                                                              |              |
| CHECKED    | ALS      | DRAWING NO.                                                                                                                                                                                                                                                                              | REV. C       |
| MFG. APPR. | 12       | D205-596-105                                                                                                                                                                                                                                                                             | SHEET 3 OF 3 |
| APPROVED   | WM (M)   | TITLE                                                                                                                                                                                                                                                                                    | SCALE        |
| DE APPR.   | 11       | CROSSTUBE ASSEMBLY, HI-HI FWD                                                                                                                                                                                                                                                            | NTS          |
| DATE       | 17.08.23 | <small>COPYRIGHT © 2002 BY DART AEROSPACE LTD<br/>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small> |              |



# WORK ORDER NON-CONFORMANCE / UPDATE

AEROSPACE

| QA Closed: _____ Date: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                     | Work Order update only <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                          |                                  |                                     |                            |                                     |          |                          |          |                          |              |                          |               |                                     |          |                                     |              |                          |           |                          |           |                                     |                 |                          |                    |                          |                      |                          |                  |                          |           |                          |     |                          |                     |                          |            |                          |                     |                          |                  |                          |                       |                          |               |                          |          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                          |                  |                          |                  |                          |                  |                          |         |                          |        |                          |               |                          |                    |                          |                       |                          |           |                          |       |                          |                      |                                     |        |                          |                      |                          |      |                          |                |                          |                        |                          |                                   |                          |                    |                          |                   |                          |       |                          |               |                          |                 |                          |            |                          |          |                          |             |                          |         |                          |         |                          |            |                          |               |                          |            |                          |        |                          |                    |                          |                                 |                          |              |                          |         |                          |               |                          |             |                          |                       |                          |                  |                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------------------------------|-------------------------------------|----------------------------|-------------------------------------|----------|--------------------------|----------|--------------------------|--------------|--------------------------|---------------|-------------------------------------|----------|-------------------------------------|--------------|--------------------------|-----------|--------------------------|-----------|-------------------------------------|-----------------|--------------------------|--------------------|--------------------------|----------------------|--------------------------|------------------|--------------------------|-----------|--------------------------|-----|--------------------------|---------------------|--------------------------|------------|--------------------------|---------------------|--------------------------|------------------|--------------------------|-----------------------|--------------------------|---------------|--------------------------|----------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------|--------------------------|------------------|--------------------------|------------------|--------------------------|------------------|--------------------------|---------|--------------------------|--------|--------------------------|---------------|--------------------------|--------------------|--------------------------|-----------------------|--------------------------|-----------|--------------------------|-------|--------------------------|----------------------|-------------------------------------|--------|--------------------------|----------------------|--------------------------|------|--------------------------|----------------|--------------------------|------------------------|--------------------------|-----------------------------------|--------------------------|--------------------|--------------------------|-------------------|--------------------------|-------|--------------------------|---------------|--------------------------|-----------------|--------------------------|------------|--------------------------|----------|--------------------------|-------------|--------------------------|---------|--------------------------|---------|--------------------------|------------|--------------------------|---------------|--------------------------|------------|--------------------------|--------|--------------------------|--------------------|--------------------------|---------------------------------|--------------------------|--------------|--------------------------|---------|--------------------------|---------------|--------------------------|-------------|--------------------------|-----------------------|--------------------------|------------------|--------------------------|
| Work Order: <u>176726</u><br>Part No. <u>0205-596-105</u><br>NCR No. _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                     | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="2">DISPOSITION</th> <th colspan="4">AGAINST DEPARTMENT/PROCESS</th> </tr> <tr> <td>Rework</td><td><input type="checkbox"/></td> <td>Skid-tube</td><td><input type="checkbox"/></td> <td>Cross tube</td><td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Scrap</td><td><input checked="" type="checkbox"/></td> <td>Machining</td><td><input type="checkbox"/></td> <td>Small Fab</td><td><input type="checkbox"/></td> </tr> <tr> <td>Use-as-is</td><td><input type="checkbox"/></td> <td>Thermoforming</td><td><input type="checkbox"/></td> <td>Finishing</td><td><input type="checkbox"/></td> </tr> <tr> <td>Suspected Unapproved</td><td><input type="checkbox"/></td> <td>Large Fab</td><td><input type="checkbox"/></td> <td>Composite</td><td><input type="checkbox"/></td> </tr> </table> |                          | DISPOSITION                      |                                     | AGAINST DEPARTMENT/PROCESS |                                     |          |                          | Rework   | <input type="checkbox"/> | Skid-tube    | <input type="checkbox"/> | Cross tube    | <input checked="" type="checkbox"/> | Scrap    | <input checked="" type="checkbox"/> | Machining    | <input type="checkbox"/> | Small Fab | <input type="checkbox"/> | Use-as-is | <input type="checkbox"/>            | Thermoforming   | <input type="checkbox"/> | Finishing          | <input type="checkbox"/> | Suspected Unapproved | <input type="checkbox"/> | Large Fab        | <input type="checkbox"/> | Composite | <input type="checkbox"/> |     |                          |                     |                          |            |                          |                     |                          |                  |                          |                       |                          |               |                          |          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                          |                  |                          |                  |                          |                  |                          |         |                          |        |                          |               |                          |                    |                          |                       |                          |           |                          |       |                          |                      |                                     |        |                          |                      |                          |      |                          |                |                          |                        |                          |                                   |                          |                    |                          |                   |                          |       |                          |               |                          |                 |                          |            |                          |          |                          |             |                          |         |                          |         |                          |            |                          |               |                          |            |                          |        |                          |                    |                          |                                 |                          |              |                          |         |                          |               |                          |             |                          |                       |                          |                  |                          |
| DISPOSITION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                     | AGAINST DEPARTMENT/PROCESS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                          |                                  |                                     |                            |                                     |          |                          |          |                          |              |                          |               |                                     |          |                                     |              |                          |           |                          |           |                                     |                 |                          |                    |                          |                      |                          |                  |                          |           |                          |     |                          |                     |                          |            |                          |                     |                          |                  |                          |                       |                          |               |                          |          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                          |                  |                          |                  |                          |                  |                          |         |                          |        |                          |               |                          |                    |                          |                       |                          |           |                          |       |                          |                      |                                     |        |                          |                      |                          |      |                          |                |                          |                        |                          |                                   |                          |                    |                          |                   |                          |       |                          |               |                          |                 |                          |            |                          |          |                          |             |                          |         |                          |         |                          |            |                          |               |                          |            |                          |        |                          |                    |                          |                                 |                          |              |                          |         |                          |               |                          |             |                          |                       |                          |                  |                          |
| Rework                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <input type="checkbox"/>            | Skid-tube                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <input type="checkbox"/> | Cross tube                       | <input checked="" type="checkbox"/> |                            |                                     |          |                          |          |                          |              |                          |               |                                     |          |                                     |              |                          |           |                          |           |                                     |                 |                          |                    |                          |                      |                          |                  |                          |           |                          |     |                          |                     |                          |            |                          |                     |                          |                  |                          |                       |                          |               |                          |          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                          |                  |                          |                  |                          |                  |                          |         |                          |        |                          |               |                          |                    |                          |                       |                          |           |                          |       |                          |                      |                                     |        |                          |                      |                          |      |                          |                |                          |                        |                          |                                   |                          |                    |                          |                   |                          |       |                          |               |                          |                 |                          |            |                          |          |                          |             |                          |         |                          |         |                          |            |                          |               |                          |            |                          |        |                          |                    |                          |                                 |                          |              |                          |         |                          |               |                          |             |                          |                       |                          |                  |                          |
| Scrap                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <input checked="" type="checkbox"/> | Machining                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <input type="checkbox"/> | Small Fab                        | <input type="checkbox"/>            |                            |                                     |          |                          |          |                          |              |                          |               |                                     |          |                                     |              |                          |           |                          |           |                                     |                 |                          |                    |                          |                      |                          |                  |                          |           |                          |     |                          |                     |                          |            |                          |                     |                          |                  |                          |                       |                          |               |                          |          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                          |                  |                          |                  |                          |                  |                          |         |                          |        |                          |               |                          |                    |                          |                       |                          |           |                          |       |                          |                      |                                     |        |                          |                      |                          |      |                          |                |                          |                        |                          |                                   |                          |                    |                          |                   |                          |       |                          |               |                          |                 |                          |            |                          |          |                          |             |                          |         |                          |         |                          |            |                          |               |                          |            |                          |        |                          |                    |                          |                                 |                          |              |                          |         |                          |               |                          |             |                          |                       |                          |                  |                          |
| Use-as-is                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <input type="checkbox"/>            | Thermoforming                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <input type="checkbox"/> | Finishing                        | <input type="checkbox"/>            |                            |                                     |          |                          |          |                          |              |                          |               |                                     |          |                                     |              |                          |           |                          |           |                                     |                 |                          |                    |                          |                      |                          |                  |                          |           |                          |     |                          |                     |                          |            |                          |                     |                          |                  |                          |                       |                          |               |                          |          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                          |                  |                          |                  |                          |                  |                          |         |                          |        |                          |               |                          |                    |                          |                       |                          |           |                          |       |                          |                      |                                     |        |                          |                      |                          |      |                          |                |                          |                        |                          |                                   |                          |                    |                          |                   |                          |       |                          |               |                          |                 |                          |            |                          |          |                          |             |                          |         |                          |         |                          |            |                          |               |                          |            |                          |        |                          |                    |                          |                                 |                          |              |                          |         |                          |               |                          |             |                          |                       |                          |                  |                          |
| Suspected Unapproved                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <input type="checkbox"/>            | Large Fab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <input type="checkbox"/> | Composite                        | <input type="checkbox"/>            |                            |                                     |          |                          |          |                          |              |                          |               |                                     |          |                                     |              |                          |           |                          |           |                                     |                 |                          |                    |                          |                      |                          |                  |                          |           |                          |     |                          |                     |                          |            |                          |                     |                          |                  |                          |                       |                          |               |                          |          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                          |                  |                          |                  |                          |                  |                          |         |                          |        |                          |               |                          |                    |                          |                       |                          |           |                          |       |                          |                      |                                     |        |                          |                      |                          |      |                          |                |                          |                        |                          |                                   |                          |                    |                          |                   |                          |       |                          |               |                          |                 |                          |            |                          |          |                          |             |                          |         |                          |         |                          |            |                          |               |                          |            |                          |        |                          |                    |                          |                                 |                          |              |                          |         |                          |               |                          |             |                          |                       |                          |                  |                          |
| Date: <u>18-06-04</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                     | Step #: <u>110</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                                  |                                     |                            |                                     |          |                          |          |                          |              |                          |               |                                     |          |                                     |              |                          |           |                          |           |                                     |                 |                          |                    |                          |                      |                          |                  |                          |           |                          |     |                          |                     |                          |            |                          |                     |                          |                  |                          |                       |                          |               |                          |          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                          |                  |                          |                  |                          |                  |                          |         |                          |        |                          |               |                          |                    |                          |                       |                          |           |                          |       |                          |                      |                                     |        |                          |                      |                          |      |                          |                |                          |                        |                          |                                   |                          |                    |                          |                   |                          |       |                          |               |                          |                 |                          |            |                          |          |                          |             |                          |         |                          |         |                          |            |                          |               |                          |            |                          |        |                          |                    |                          |                                 |                          |              |                          |         |                          |               |                          |             |                          |                       |                          |                  |                          |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     | QTY Effective: <u>1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                          |                                  |                                     |                            |                                     |          |                          |          |                          |              |                          |               |                                     |          |                                     |              |                          |           |                          |           |                                     |                 |                          |                    |                          |                      |                          |                  |                          |           |                          |     |                          |                     |                          |            |                          |                     |                          |                  |                          |                       |                          |               |                          |          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                          |                  |                          |                  |                          |                  |                          |         |                          |        |                          |               |                          |                    |                          |                       |                          |           |                          |       |                          |                      |                                     |        |                          |                      |                          |      |                          |                |                          |                        |                          |                                   |                          |                    |                          |                   |                          |       |                          |               |                          |                 |                          |            |                          |          |                          |             |                          |         |                          |         |                          |            |                          |               |                          |            |                          |        |                          |                    |                          |                                 |                          |              |                          |         |                          |               |                          |             |                          |                       |                          |                  |                          |
| tube over bent before 1st check                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                     | Scrap                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                          |                                  |                                     |                            |                                     |          |                          |          |                          |              |                          |               |                                     |          |                                     |              |                          |           |                          |           |                                     |                 |                          |                    |                          |                      |                          |                  |                          |           |                          |     |                          |                     |                          |            |                          |                     |                          |                  |                          |                       |                          |               |                          |          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                          |                  |                          |                  |                          |                  |                          |         |                          |        |                          |               |                          |                    |                          |                       |                          |           |                          |       |                          |                      |                                     |        |                          |                      |                          |      |                          |                |                          |                        |                          |                                   |                          |                    |                          |                   |                          |       |                          |               |                          |                 |                          |            |                          |          |                          |             |                          |         |                          |         |                          |            |                          |               |                          |            |                          |        |                          |                    |                          |                                 |                          |              |                          |         |                          |               |                          |             |                          |                       |                          |                  |                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                          | MRB (QSI042) Approval            |                                     |                            |                                     |          |                          |          |                          |              |                          |               |                                     |          |                                     |              |                          |           |                          |           |                                     |                 |                          |                    |                          |                      |                          |                  |                          |           |                          |     |                          |                     |                          |            |                          |                     |                          |                  |                          |                       |                          |               |                          |          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                          |                  |                          |                  |                          |                  |                          |         |                          |        |                          |               |                          |                    |                          |                       |                          |           |                          |       |                          |                      |                                     |        |                          |                      |                          |      |                          |                |                          |                        |                          |                                   |                          |                    |                          |                   |                          |       |                          |               |                          |                 |                          |            |                          |          |                          |             |                          |         |                          |         |                          |            |                          |               |                          |            |                          |        |                          |                    |                          |                                 |                          |              |                          |         |                          |               |                          |             |                          |                       |                          |                  |                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                          | DAS<br>9<br>9-89 <u>18-06-04</u> |                                     |                            |                                     |          |                          |          |                          |              |                          |               |                                     |          |                                     |              |                          |           |                          |           |                                     |                 |                          |                    |                          |                      |                          |                  |                          |           |                          |     |                          |                     |                          |            |                          |                     |                          |                  |                          |                       |                          |               |                          |          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                          |                  |                          |                  |                          |                  |                          |         |                          |        |                          |               |                          |                    |                          |                       |                          |           |                          |       |                          |                      |                                     |        |                          |                      |                          |      |                          |                |                          |                        |                          |                                   |                          |                    |                          |                   |                          |       |                          |               |                          |                 |                          |            |                          |          |                          |             |                          |         |                          |         |                          |            |                          |               |                          |            |                          |        |                          |                    |                          |                                 |                          |              |                          |         |                          |               |                          |             |                          |                       |                          |                  |                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                          | Completed By                     |                                     |                            |                                     |          |                          |          |                          |              |                          |               |                                     |          |                                     |              |                          |           |                          |           |                                     |                 |                          |                    |                          |                      |                          |                  |                          |           |                          |     |                          |                     |                          |            |                          |                     |                          |                  |                          |                       |                          |               |                          |          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                          |                  |                          |                  |                          |                  |                          |         |                          |        |                          |               |                          |                    |                          |                       |                          |           |                          |       |                          |                      |                                     |        |                          |                      |                          |      |                          |                |                          |                        |                          |                                   |                          |                    |                          |                   |                          |       |                          |               |                          |                 |                          |            |                          |          |                          |             |                          |         |                          |         |                          |            |                          |               |                          |            |                          |        |                          |                    |                          |                                 |                          |              |                          |         |                          |               |                          |             |                          |                       |                          |                  |                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                     | GP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                                  |                                     |                            |                                     |          |                          |          |                          |              |                          |               |                                     |          |                                     |              |                          |           |                          |           |                                     |                 |                          |                    |                          |                      |                          |                  |                          |           |                          |     |                          |                     |                          |            |                          |                     |                          |                  |                          |                       |                          |               |                          |          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                          |                  |                          |                  |                          |                  |                          |         |                          |        |                          |               |                          |                    |                          |                       |                          |           |                          |       |                          |                      |                                     |        |                          |                      |                          |      |                          |                |                          |                        |                          |                                   |                          |                    |                          |                   |                          |       |                          |               |                          |                 |                          |            |                          |          |                          |             |                          |         |                          |         |                          |            |                          |               |                          |            |                          |        |                          |                    |                          |                                 |                          |              |                          |         |                          |               |                          |             |                          |                       |                          |                  |                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                     | Lead hand / Supervisor Approval Verification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |                                  |                                     |                            |                                     |          |                          |          |                          |              |                          |               |                                     |          |                                     |              |                          |           |                          |           |                                     |                 |                          |                    |                          |                      |                          |                  |                          |           |                          |     |                          |                     |                          |            |                          |                     |                          |                  |                          |                       |                          |               |                          |          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                          |                  |                          |                  |                          |                  |                          |         |                          |        |                          |               |                          |                    |                          |                       |                          |           |                          |       |                          |                      |                                     |        |                          |                      |                          |      |                          |                |                          |                        |                          |                                   |                          |                    |                          |                   |                          |       |                          |               |                          |                 |                          |            |                          |          |                          |             |                          |         |                          |         |                          |            |                          |               |                          |            |                          |        |                          |                    |                          |                                 |                          |              |                          |         |                          |               |                          |             |                          |                       |                          |                  |                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                     | DAS<br>9<br>9-89 <u>18-06-04</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                          |                                  |                                     |                            |                                     |          |                          |          |                          |              |                          |               |                                     |          |                                     |              |                          |           |                          |           |                                     |                 |                          |                    |                          |                      |                          |                  |                          |           |                          |     |                          |                     |                          |            |                          |                     |                          |                  |                          |                       |                          |               |                          |          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                          |                  |                          |                  |                          |                  |                          |         |                          |        |                          |               |                          |                    |                          |                       |                          |           |                          |       |                          |                      |                                     |        |                          |                      |                          |      |                          |                |                          |                        |                          |                                   |                          |                    |                          |                   |                          |       |                          |               |                          |                 |                          |            |                          |          |                          |             |                          |         |                          |         |                          |            |                          |               |                          |            |                          |        |                          |                    |                          |                                 |                          |              |                          |         |                          |               |                          |             |                          |                       |                          |                  |                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                     | QC / QA Coordinator Approval                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |                                  |                                     |                            |                                     |          |                          |          |                          |              |                          |               |                                     |          |                                     |              |                          |           |                          |           |                                     |                 |                          |                    |                          |                      |                          |                  |                          |           |                          |     |                          |                     |                          |            |                          |                     |                          |                  |                          |                       |                          |               |                          |          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                          |                  |                          |                  |                          |                  |                          |         |                          |        |                          |               |                          |                    |                          |                       |                          |           |                          |       |                          |                      |                                     |        |                          |                      |                          |      |                          |                |                          |                        |                          |                                   |                          |                    |                          |                   |                          |       |                          |               |                          |                 |                          |            |                          |          |                          |             |                          |         |                          |         |                          |            |                          |               |                          |            |                          |        |                          |                    |                          |                                 |                          |              |                          |         |                          |               |                          |             |                          |                       |                          |                  |                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                     | DAS<br>9<br>9-89 <u>18-06-04</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                          |                                  |                                     |                            |                                     |          |                          |          |                          |              |                          |               |                                     |          |                                     |              |                          |           |                          |           |                                     |                 |                          |                    |                          |                      |                          |                  |                          |           |                          |     |                          |                     |                          |            |                          |                     |                          |                  |                          |                       |                          |               |                          |          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                          |                  |                          |                  |                          |                  |                          |         |                          |        |                          |               |                          |                    |                          |                       |                          |           |                          |       |                          |                      |                                     |        |                          |                      |                          |      |                          |                |                          |                        |                          |                                   |                          |                    |                          |                   |                          |       |                          |               |                          |                 |                          |            |                          |          |                          |             |                          |         |                          |         |                          |            |                          |               |                          |            |                          |        |                          |                    |                          |                                 |                          |              |                          |         |                          |               |                          |             |                          |                       |                          |                  |                          |
| <b>Root Cause</b><br><table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Environment</td><td><input type="checkbox"/></td> <td>No Re-verification</td><td><input type="checkbox"/></td> </tr> <tr> <td>Design</td><td><input type="checkbox"/></td> <td>Operator</td><td><input type="checkbox"/></td> </tr> <tr> <td>Doc/Data</td><td><input type="checkbox"/></td> <td>Offset/Setup</td><td><input type="checkbox"/></td> </tr> <tr> <td>Equip/Tooling</td><td><input type="checkbox"/></td> <td>Supplier</td><td><input type="checkbox"/></td> </tr> <tr> <td>Handling/Pre</td><td><input type="checkbox"/></td> <td>Training</td><td><input type="checkbox"/></td> </tr> <tr> <td>Material</td><td><input checked="" type="checkbox"/></td> <td>Use for Testing</td><td><input type="checkbox"/></td> </tr> <tr> <td>Internal Transport</td><td><input type="checkbox"/></td> <td>Poor Information</td><td><input type="checkbox"/></td> </tr> <tr> <td>Tribal Knowledge</td><td><input type="checkbox"/></td> <td>Rushing</td><td><input type="checkbox"/></td> </tr> <tr> <td>LOA</td><td><input type="checkbox"/></td> <td>Product Improvement</td><td><input type="checkbox"/></td> </tr> <tr> <td>Substation</td><td><input type="checkbox"/></td> <td>Process Improvement</td><td><input type="checkbox"/></td> </tr> <tr> <td>Past Expiry Date</td><td><input type="checkbox"/></td> <td>Manufacturing Process</td><td><input type="checkbox"/></td> </tr> <tr> <td>Misidentified</td><td><input type="checkbox"/></td> <td>Past Due</td><td><input type="checkbox"/></td> </tr> </table> |                                     | Environment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <input type="checkbox"/> | No Re-verification               | <input type="checkbox"/>            | Design                     | <input type="checkbox"/>            | Operator | <input type="checkbox"/> | Doc/Data | <input type="checkbox"/> | Offset/Setup | <input type="checkbox"/> | Equip/Tooling | <input type="checkbox"/>            | Supplier | <input type="checkbox"/>            | Handling/Pre | <input type="checkbox"/> | Training  | <input type="checkbox"/> | Material  | <input checked="" type="checkbox"/> | Use for Testing | <input type="checkbox"/> | Internal Transport | <input type="checkbox"/> | Poor Information     | <input type="checkbox"/> | Tribal Knowledge | <input type="checkbox"/> | Rushing   | <input type="checkbox"/> | LOA | <input type="checkbox"/> | Product Improvement | <input type="checkbox"/> | Substation | <input type="checkbox"/> | Process Improvement | <input type="checkbox"/> | Past Expiry Date | <input type="checkbox"/> | Manufacturing Process | <input type="checkbox"/> | Misidentified | <input type="checkbox"/> | Past Due | <input type="checkbox"/> | <b>FAULT CATEGORY</b><br><table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Pressure/Forced</td><td><input type="checkbox"/></td> <td>Temperature/Cure</td><td><input type="checkbox"/></td> <td>Power Loss/Surge</td><td><input type="checkbox"/></td> <td>Positioned Wrong</td><td><input type="checkbox"/></td> </tr> <tr> <td>Bending</td><td><input type="checkbox"/></td> <td>Set-up</td><td><input type="checkbox"/></td> <td>Folio/Program</td><td><input type="checkbox"/></td> <td>Outside Dimensions</td><td><input type="checkbox"/></td> </tr> <tr> <td>Centre Not Concentric</td><td><input type="checkbox"/></td> <td>BOM/Route</td><td><input type="checkbox"/></td> <td>Grain</td><td><input type="checkbox"/></td> <td>Over/Under tolerance</td><td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Cracks</td><td><input type="checkbox"/></td> <td>Broken/Damage/Defect</td><td><input type="checkbox"/></td> <td>Weld</td><td><input type="checkbox"/></td> <td>Part Incorrect</td><td><input type="checkbox"/></td> </tr> <tr> <td>Crimp/Kink/Ripple/Wave</td><td><input type="checkbox"/></td> <td>Inspection Incomplete/Unqualified</td><td><input type="checkbox"/></td> <td>Wrong Stock Pulled</td><td><input type="checkbox"/></td> <td>Part Lost/Missing</td><td><input type="checkbox"/></td> </tr> <tr> <td>Cuffs</td><td><input type="checkbox"/></td> <td>Contamination</td><td><input type="checkbox"/></td> <td>Out of Sequence</td><td><input type="checkbox"/></td> <td>Part Moved</td><td><input type="checkbox"/></td> </tr> <tr> <td>Crushing</td><td><input type="checkbox"/></td> <td>Countersink</td><td><input type="checkbox"/></td> <td>Off-set</td><td><input type="checkbox"/></td> <td>Drawing</td><td><input type="checkbox"/></td> </tr> <tr> <td>Heat Treat</td><td><input type="checkbox"/></td> <td>Cut Too Short</td><td><input type="checkbox"/></td> <td>Mislabeled</td><td><input type="checkbox"/></td> <td>Finish</td><td><input type="checkbox"/></td> </tr> <tr> <td>Wave/Twist in Tube</td><td><input type="checkbox"/></td> <td>Instructions Incomplete/Unclear</td><td><input type="checkbox"/></td> <td>Fit/Function</td><td><input type="checkbox"/></td> <td>Misread</td><td><input type="checkbox"/></td> </tr> <tr> <td>Marks/Chatter</td><td><input type="checkbox"/></td> <td>Drill Holes</td><td><input type="checkbox"/></td> <td>Misaligned/off center</td><td><input type="checkbox"/></td> <td>Turning Sequence</td><td><input type="checkbox"/></td> </tr> </table> |  | Pressure/Forced | <input type="checkbox"/> | Temperature/Cure | <input type="checkbox"/> | Power Loss/Surge | <input type="checkbox"/> | Positioned Wrong | <input type="checkbox"/> | Bending | <input type="checkbox"/> | Set-up | <input type="checkbox"/> | Folio/Program | <input type="checkbox"/> | Outside Dimensions | <input type="checkbox"/> | Centre Not Concentric | <input type="checkbox"/> | BOM/Route | <input type="checkbox"/> | Grain | <input type="checkbox"/> | Over/Under tolerance | <input checked="" type="checkbox"/> | Cracks | <input type="checkbox"/> | Broken/Damage/Defect | <input type="checkbox"/> | Weld | <input type="checkbox"/> | Part Incorrect | <input type="checkbox"/> | Crimp/Kink/Ripple/Wave | <input type="checkbox"/> | Inspection Incomplete/Unqualified | <input type="checkbox"/> | Wrong Stock Pulled | <input type="checkbox"/> | Part Lost/Missing | <input type="checkbox"/> | Cuffs | <input type="checkbox"/> | Contamination | <input type="checkbox"/> | Out of Sequence | <input type="checkbox"/> | Part Moved | <input type="checkbox"/> | Crushing | <input type="checkbox"/> | Countersink | <input type="checkbox"/> | Off-set | <input type="checkbox"/> | Drawing | <input type="checkbox"/> | Heat Treat | <input type="checkbox"/> | Cut Too Short | <input type="checkbox"/> | Mislabeled | <input type="checkbox"/> | Finish | <input type="checkbox"/> | Wave/Twist in Tube | <input type="checkbox"/> | Instructions Incomplete/Unclear | <input type="checkbox"/> | Fit/Function | <input type="checkbox"/> | Misread | <input type="checkbox"/> | Marks/Chatter | <input type="checkbox"/> | Drill Holes | <input type="checkbox"/> | Misaligned/off center | <input type="checkbox"/> | Turning Sequence | <input type="checkbox"/> |
| Environment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <input type="checkbox"/>            | No Re-verification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <input type="checkbox"/> |                                  |                                     |                            |                                     |          |                          |          |                          |              |                          |               |                                     |          |                                     |              |                          |           |                          |           |                                     |                 |                          |                    |                          |                      |                          |                  |                          |           |                          |     |                          |                     |                          |            |                          |                     |                          |                  |                          |                       |                          |               |                          |          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                          |                  |                          |                  |                          |                  |                          |         |                          |        |                          |               |                          |                    |                          |                       |                          |           |                          |       |                          |                      |                                     |        |                          |                      |                          |      |                          |                |                          |                        |                          |                                   |                          |                    |                          |                   |                          |       |                          |               |                          |                 |                          |            |                          |          |                          |             |                          |         |                          |         |                          |            |                          |               |                          |            |                          |        |                          |                    |                          |                                 |                          |              |                          |         |                          |               |                          |             |                          |                       |                          |                  |                          |
| Design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <input type="checkbox"/>            | Operator                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <input type="checkbox"/> |                                  |                                     |                            |                                     |          |                          |          |                          |              |                          |               |                                     |          |                                     |              |                          |           |                          |           |                                     |                 |                          |                    |                          |                      |                          |                  |                          |           |                          |     |                          |                     |                          |            |                          |                     |                          |                  |                          |                       |                          |               |                          |          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                          |                  |                          |                  |                          |                  |                          |         |                          |        |                          |               |                          |                    |                          |                       |                          |           |                          |       |                          |                      |                                     |        |                          |                      |                          |      |                          |                |                          |                        |                          |                                   |                          |                    |                          |                   |                          |       |                          |               |                          |                 |                          |            |                          |          |                          |             |                          |         |                          |         |                          |            |                          |               |                          |            |                          |        |                          |                    |                          |                                 |                          |              |                          |         |                          |               |                          |             |                          |                       |                          |                  |                          |
| Doc/Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <input type="checkbox"/>            | Offset/Setup                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <input type="checkbox"/> |                                  |                                     |                            |                                     |          |                          |          |                          |              |                          |               |                                     |          |                                     |              |                          |           |                          |           |                                     |                 |                          |                    |                          |                      |                          |                  |                          |           |                          |     |                          |                     |                          |            |                          |                     |                          |                  |                          |                       |                          |               |                          |          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                          |                  |                          |                  |                          |                  |                          |         |                          |        |                          |               |                          |                    |                          |                       |                          |           |                          |       |                          |                      |                                     |        |                          |                      |                          |      |                          |                |                          |                        |                          |                                   |                          |                    |                          |                   |                          |       |                          |               |                          |                 |                          |            |                          |          |                          |             |                          |         |                          |         |                          |            |                          |               |                          |            |                          |        |                          |                    |                          |                                 |                          |              |                          |         |                          |               |                          |             |                          |                       |                          |                  |                          |
| Equip/Tooling                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <input type="checkbox"/>            | Supplier                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <input type="checkbox"/> |                                  |                                     |                            |                                     |          |                          |          |                          |              |                          |               |                                     |          |                                     |              |                          |           |                          |           |                                     |                 |                          |                    |                          |                      |                          |                  |                          |           |                          |     |                          |                     |                          |            |                          |                     |                          |                  |                          |                       |                          |               |                          |          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                          |                  |                          |                  |                          |                  |                          |         |                          |        |                          |               |                          |                    |                          |                       |                          |           |                          |       |                          |                      |                                     |        |                          |                      |                          |      |                          |                |                          |                        |                          |                                   |                          |                    |                          |                   |                          |       |                          |               |                          |                 |                          |            |                          |          |                          |             |                          |         |                          |         |                          |            |                          |               |                          |            |                          |        |                          |                    |                          |                                 |                          |              |                          |         |                          |               |                          |             |                          |                       |                          |                  |                          |
| Handling/Pre                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <input type="checkbox"/>            | Training                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <input type="checkbox"/> |                                  |                                     |                            |                                     |          |                          |          |                          |              |                          |               |                                     |          |                                     |              |                          |           |                          |           |                                     |                 |                          |                    |                          |                      |                          |                  |                          |           |                          |     |                          |                     |                          |            |                          |                     |                          |                  |                          |                       |                          |               |                          |          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                          |                  |                          |                  |                          |                  |                          |         |                          |        |                          |               |                          |                    |                          |                       |                          |           |                          |       |                          |                      |                                     |        |                          |                      |                          |      |                          |                |                          |                        |                          |                                   |                          |                    |                          |                   |                          |       |                          |               |                          |                 |                          |            |                          |          |                          |             |                          |         |                          |         |                          |            |                          |               |                          |            |                          |        |                          |                    |                          |                                 |                          |              |                          |         |                          |               |                          |             |                          |                       |                          |                  |                          |
| Material                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <input checked="" type="checkbox"/> | Use for Testing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <input type="checkbox"/> |                                  |                                     |                            |                                     |          |                          |          |                          |              |                          |               |                                     |          |                                     |              |                          |           |                          |           |                                     |                 |                          |                    |                          |                      |                          |                  |                          |           |                          |     |                          |                     |                          |            |                          |                     |                          |                  |                          |                       |                          |               |                          |          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                          |                  |                          |                  |                          |                  |                          |         |                          |        |                          |               |                          |                    |                          |                       |                          |           |                          |       |                          |                      |                                     |        |                          |                      |                          |      |                          |                |                          |                        |                          |                                   |                          |                    |                          |                   |                          |       |                          |               |                          |                 |                          |            |                          |          |                          |             |                          |         |                          |         |                          |            |                          |               |                          |            |                          |        |                          |                    |                          |                                 |                          |              |                          |         |                          |               |                          |             |                          |                       |                          |                  |                          |
| Internal Transport                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <input type="checkbox"/>            | Poor Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <input type="checkbox"/> |                                  |                                     |                            |                                     |          |                          |          |                          |              |                          |               |                                     |          |                                     |              |                          |           |                          |           |                                     |                 |                          |                    |                          |                      |                          |                  |                          |           |                          |     |                          |                     |                          |            |                          |                     |                          |                  |                          |                       |                          |               |                          |          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                          |                  |                          |                  |                          |                  |                          |         |                          |        |                          |               |                          |                    |                          |                       |                          |           |                          |       |                          |                      |                                     |        |                          |                      |                          |      |                          |                |                          |                        |                          |                                   |                          |                    |                          |                   |                          |       |                          |               |                          |                 |                          |            |                          |          |                          |             |                          |         |                          |         |                          |            |                          |               |                          |            |                          |        |                          |                    |                          |                                 |                          |              |                          |         |                          |               |                          |             |                          |                       |                          |                  |                          |
| Tribal Knowledge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <input type="checkbox"/>            | Rushing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <input type="checkbox"/> |                                  |                                     |                            |                                     |          |                          |          |                          |              |                          |               |                                     |          |                                     |              |                          |           |                          |           |                                     |                 |                          |                    |                          |                      |                          |                  |                          |           |                          |     |                          |                     |                          |            |                          |                     |                          |                  |                          |                       |                          |               |                          |          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                          |                  |                          |                  |                          |                  |                          |         |                          |        |                          |               |                          |                    |                          |                       |                          |           |                          |       |                          |                      |                                     |        |                          |                      |                          |      |                          |                |                          |                        |                          |                                   |                          |                    |                          |                   |                          |       |                          |               |                          |                 |                          |            |                          |          |                          |             |                          |         |                          |         |                          |            |                          |               |                          |            |                          |        |                          |                    |                          |                                 |                          |              |                          |         |                          |               |                          |             |                          |                       |                          |                  |                          |
| LOA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <input type="checkbox"/>            | Product Improvement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <input type="checkbox"/> |                                  |                                     |                            |                                     |          |                          |          |                          |              |                          |               |                                     |          |                                     |              |                          |           |                          |           |                                     |                 |                          |                    |                          |                      |                          |                  |                          |           |                          |     |                          |                     |                          |            |                          |                     |                          |                  |                          |                       |                          |               |                          |          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                          |                  |                          |                  |                          |                  |                          |         |                          |        |                          |               |                          |                    |                          |                       |                          |           |                          |       |                          |                      |                                     |        |                          |                      |                          |      |                          |                |                          |                        |                          |                                   |                          |                    |                          |                   |                          |       |                          |               |                          |                 |                          |            |                          |          |                          |             |                          |         |                          |         |                          |            |                          |               |                          |            |                          |        |                          |                    |                          |                                 |                          |              |                          |         |                          |               |                          |             |                          |                       |                          |                  |                          |
| Substation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <input type="checkbox"/>            | Process Improvement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <input type="checkbox"/> |                                  |                                     |                            |                                     |          |                          |          |                          |              |                          |               |                                     |          |                                     |              |                          |           |                          |           |                                     |                 |                          |                    |                          |                      |                          |                  |                          |           |                          |     |                          |                     |                          |            |                          |                     |                          |                  |                          |                       |                          |               |                          |          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                          |                  |                          |                  |                          |                  |                          |         |                          |        |                          |               |                          |                    |                          |                       |                          |           |                          |       |                          |                      |                                     |        |                          |                      |                          |      |                          |                |                          |                        |                          |                                   |                          |                    |                          |                   |                          |       |                          |               |                          |                 |                          |            |                          |          |                          |             |                          |         |                          |         |                          |            |                          |               |                          |            |                          |        |                          |                    |                          |                                 |                          |              |                          |         |                          |               |                          |             |                          |                       |                          |                  |                          |
| Past Expiry Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <input type="checkbox"/>            | Manufacturing Process                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <input type="checkbox"/> |                                  |                                     |                            |                                     |          |                          |          |                          |              |                          |               |                                     |          |                                     |              |                          |           |                          |           |                                     |                 |                          |                    |                          |                      |                          |                  |                          |           |                          |     |                          |                     |                          |            |                          |                     |                          |                  |                          |                       |                          |               |                          |          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                          |                  |                          |                  |                          |                  |                          |         |                          |        |                          |               |                          |                    |                          |                       |                          |           |                          |       |                          |                      |                                     |        |                          |                      |                          |      |                          |                |                          |                        |                          |                                   |                          |                    |                          |                   |                          |       |                          |               |                          |                 |                          |            |                          |          |                          |             |                          |         |                          |         |                          |            |                          |               |                          |            |                          |        |                          |                    |                          |                                 |                          |              |                          |         |                          |               |                          |             |                          |                       |                          |                  |                          |
| Misidentified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <input type="checkbox"/>            | Past Due                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <input type="checkbox"/> |                                  |                                     |                            |                                     |          |                          |          |                          |              |                          |               |                                     |          |                                     |              |                          |           |                          |           |                                     |                 |                          |                    |                          |                      |                          |                  |                          |           |                          |     |                          |                     |                          |            |                          |                     |                          |                  |                          |                       |                          |               |                          |          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                          |                  |                          |                  |                          |                  |                          |         |                          |        |                          |               |                          |                    |                          |                       |                          |           |                          |       |                          |                      |                                     |        |                          |                      |                          |      |                          |                |                          |                        |                          |                                   |                          |                    |                          |                   |                          |       |                          |               |                          |                 |                          |            |                          |          |                          |             |                          |         |                          |         |                          |            |                          |               |                          |            |                          |        |                          |                    |                          |                                 |                          |              |                          |         |                          |               |                          |             |                          |                       |                          |                  |                          |
| Pressure/Forced                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <input type="checkbox"/>            | Temperature/Cure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <input type="checkbox"/> | Power Loss/Surge                 | <input type="checkbox"/>            | Positioned Wrong           | <input type="checkbox"/>            |          |                          |          |                          |              |                          |               |                                     |          |                                     |              |                          |           |                          |           |                                     |                 |                          |                    |                          |                      |                          |                  |                          |           |                          |     |                          |                     |                          |            |                          |                     |                          |                  |                          |                       |                          |               |                          |          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                          |                  |                          |                  |                          |                  |                          |         |                          |        |                          |               |                          |                    |                          |                       |                          |           |                          |       |                          |                      |                                     |        |                          |                      |                          |      |                          |                |                          |                        |                          |                                   |                          |                    |                          |                   |                          |       |                          |               |                          |                 |                          |            |                          |          |                          |             |                          |         |                          |         |                          |            |                          |               |                          |            |                          |        |                          |                    |                          |                                 |                          |              |                          |         |                          |               |                          |             |                          |                       |                          |                  |                          |
| Bending                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <input type="checkbox"/>            | Set-up                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <input type="checkbox"/> | Folio/Program                    | <input type="checkbox"/>            | Outside Dimensions         | <input type="checkbox"/>            |          |                          |          |                          |              |                          |               |                                     |          |                                     |              |                          |           |                          |           |                                     |                 |                          |                    |                          |                      |                          |                  |                          |           |                          |     |                          |                     |                          |            |                          |                     |                          |                  |                          |                       |                          |               |                          |          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                          |                  |                          |                  |                          |                  |                          |         |                          |        |                          |               |                          |                    |                          |                       |                          |           |                          |       |                          |                      |                                     |        |                          |                      |                          |      |                          |                |                          |                        |                          |                                   |                          |                    |                          |                   |                          |       |                          |               |                          |                 |                          |            |                          |          |                          |             |                          |         |                          |         |                          |            |                          |               |                          |            |                          |        |                          |                    |                          |                                 |                          |              |                          |         |                          |               |                          |             |                          |                       |                          |                  |                          |
| Centre Not Concentric                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <input type="checkbox"/>            | BOM/Route                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <input type="checkbox"/> | Grain                            | <input type="checkbox"/>            | Over/Under tolerance       | <input checked="" type="checkbox"/> |          |                          |          |                          |              |                          |               |                                     |          |                                     |              |                          |           |                          |           |                                     |                 |                          |                    |                          |                      |                          |                  |                          |           |                          |     |                          |                     |                          |            |                          |                     |                          |                  |                          |                       |                          |               |                          |          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                          |                  |                          |                  |                          |                  |                          |         |                          |        |                          |               |                          |                    |                          |                       |                          |           |                          |       |                          |                      |                                     |        |                          |                      |                          |      |                          |                |                          |                        |                          |                                   |                          |                    |                          |                   |                          |       |                          |               |                          |                 |                          |            |                          |          |                          |             |                          |         |                          |         |                          |            |                          |               |                          |            |                          |        |                          |                    |                          |                                 |                          |              |                          |         |                          |               |                          |             |                          |                       |                          |                  |                          |
| Cracks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <input type="checkbox"/>            | Broken/Damage/Defect                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <input type="checkbox"/> | Weld                             | <input type="checkbox"/>            | Part Incorrect             | <input type="checkbox"/>            |          |                          |          |                          |              |                          |               |                                     |          |                                     |              |                          |           |                          |           |                                     |                 |                          |                    |                          |                      |                          |                  |                          |           |                          |     |                          |                     |                          |            |                          |                     |                          |                  |                          |                       |                          |               |                          |          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                          |                  |                          |                  |                          |                  |                          |         |                          |        |                          |               |                          |                    |                          |                       |                          |           |                          |       |                          |                      |                                     |        |                          |                      |                          |      |                          |                |                          |                        |                          |                                   |                          |                    |                          |                   |                          |       |                          |               |                          |                 |                          |            |                          |          |                          |             |                          |         |                          |         |                          |            |                          |               |                          |            |                          |        |                          |                    |                          |                                 |                          |              |                          |         |                          |               |                          |             |                          |                       |                          |                  |                          |
| Crimp/Kink/Ripple/Wave                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <input type="checkbox"/>            | Inspection Incomplete/Unqualified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <input type="checkbox"/> | Wrong Stock Pulled               | <input type="checkbox"/>            | Part Lost/Missing          | <input type="checkbox"/>            |          |                          |          |                          |              |                          |               |                                     |          |                                     |              |                          |           |                          |           |                                     |                 |                          |                    |                          |                      |                          |                  |                          |           |                          |     |                          |                     |                          |            |                          |                     |                          |                  |                          |                       |                          |               |                          |          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                          |                  |                          |                  |                          |                  |                          |         |                          |        |                          |               |                          |                    |                          |                       |                          |           |                          |       |                          |                      |                                     |        |                          |                      |                          |      |                          |                |                          |                        |                          |                                   |                          |                    |                          |                   |                          |       |                          |               |                          |                 |                          |            |                          |          |                          |             |                          |         |                          |         |                          |            |                          |               |                          |            |                          |        |                          |                    |                          |                                 |                          |              |                          |         |                          |               |                          |             |                          |                       |                          |                  |                          |
| Cuffs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <input type="checkbox"/>            | Contamination                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <input type="checkbox"/> | Out of Sequence                  | <input type="checkbox"/>            | Part Moved                 | <input type="checkbox"/>            |          |                          |          |                          |              |                          |               |                                     |          |                                     |              |                          |           |                          |           |                                     |                 |                          |                    |                          |                      |                          |                  |                          |           |                          |     |                          |                     |                          |            |                          |                     |                          |                  |                          |                       |                          |               |                          |          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                          |                  |                          |                  |                          |                  |                          |         |                          |        |                          |               |                          |                    |                          |                       |                          |           |                          |       |                          |                      |                                     |        |                          |                      |                          |      |                          |                |                          |                        |                          |                                   |                          |                    |                          |                   |                          |       |                          |               |                          |                 |                          |            |                          |          |                          |             |                          |         |                          |         |                          |            |                          |               |                          |            |                          |        |                          |                    |                          |                                 |                          |              |                          |         |                          |               |                          |             |                          |                       |                          |                  |                          |
| Crushing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <input type="checkbox"/>            | Countersink                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <input type="checkbox"/> | Off-set                          | <input type="checkbox"/>            | Drawing                    | <input type="checkbox"/>            |          |                          |          |                          |              |                          |               |                                     |          |                                     |              |                          |           |                          |           |                                     |                 |                          |                    |                          |                      |                          |                  |                          |           |                          |     |                          |                     |                          |            |                          |                     |                          |                  |                          |                       |                          |               |                          |          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                          |                  |                          |                  |                          |                  |                          |         |                          |        |                          |               |                          |                    |                          |                       |                          |           |                          |       |                          |                      |                                     |        |                          |                      |                          |      |                          |                |                          |                        |                          |                                   |                          |                    |                          |                   |                          |       |                          |               |                          |                 |                          |            |                          |          |                          |             |                          |         |                          |         |                          |            |                          |               |                          |            |                          |        |                          |                    |                          |                                 |                          |              |                          |         |                          |               |                          |             |                          |                       |                          |                  |                          |
| Heat Treat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <input type="checkbox"/>            | Cut Too Short                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <input type="checkbox"/> | Mislabeled                       | <input type="checkbox"/>            | Finish                     | <input type="checkbox"/>            |          |                          |          |                          |              |                          |               |                                     |          |                                     |              |                          |           |                          |           |                                     |                 |                          |                    |                          |                      |                          |                  |                          |           |                          |     |                          |                     |                          |            |                          |                     |                          |                  |                          |                       |                          |               |                          |          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                          |                  |                          |                  |                          |                  |                          |         |                          |        |                          |               |                          |                    |                          |                       |                          |           |                          |       |                          |                      |                                     |        |                          |                      |                          |      |                          |                |                          |                        |                          |                                   |                          |                    |                          |                   |                          |       |                          |               |                          |                 |                          |            |                          |          |                          |             |                          |         |                          |         |                          |            |                          |               |                          |            |                          |        |                          |                    |                          |                                 |                          |              |                          |         |                          |               |                          |             |                          |                       |                          |                  |                          |
| Wave/Twist in Tube                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <input type="checkbox"/>            | Instructions Incomplete/Unclear                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <input type="checkbox"/> | Fit/Function                     | <input type="checkbox"/>            | Misread                    | <input type="checkbox"/>            |          |                          |          |                          |              |                          |               |                                     |          |                                     |              |                          |           |                          |           |                                     |                 |                          |                    |                          |                      |                          |                  |                          |           |                          |     |                          |                     |                          |            |                          |                     |                          |                  |                          |                       |                          |               |                          |          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                          |                  |                          |                  |                          |                  |                          |         |                          |        |                          |               |                          |                    |                          |                       |                          |           |                          |       |                          |                      |                                     |        |                          |                      |                          |      |                          |                |                          |                        |                          |                                   |                          |                    |                          |                   |                          |       |                          |               |                          |                 |                          |            |                          |          |                          |             |                          |         |                          |         |                          |            |                          |               |                          |            |                          |        |                          |                    |                          |                                 |                          |              |                          |         |                          |               |                          |             |                          |                       |                          |                  |                          |
| Marks/Chatter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <input type="checkbox"/>            | Drill Holes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <input type="checkbox"/> | Misaligned/off center            | <input type="checkbox"/>            | Turning Sequence           | <input type="checkbox"/>            |          |                          |          |                          |              |                          |               |                                     |          |                                     |              |                          |           |                          |           |                                     |                 |                          |                    |                          |                      |                          |                  |                          |           |                          |     |                          |                     |                          |            |                          |                     |                          |                  |                          |                       |                          |               |                          |          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                          |                  |                          |                  |                          |                  |                          |         |                          |        |                          |               |                          |                    |                          |                       |                          |           |                          |       |                          |                      |                                     |        |                          |                      |                          |      |                          |                |                          |                        |                          |                                   |                          |                    |                          |                   |                          |       |                          |               |                          |                 |                          |            |                          |          |                          |             |                          |         |                          |         |                          |            |                          |               |                          |            |                          |        |                          |                    |                          |                                 |                          |              |                          |         |                          |               |                          |             |                          |                       |                          |                  |                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                     | OTHER: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |                                  |                                     |                            |                                     |          |                          |          |                          |              |                          |               |                                     |          |                                     |              |                          |           |                          |           |                                     |                 |                          |                    |                          |                      |                          |                  |                          |           |                          |     |                          |                     |                          |            |                          |                     |                          |                  |                          |                       |                          |               |                          |          |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                 |                          |                  |                          |                  |                          |                  |                          |         |                          |        |                          |               |                          |                    |                          |                       |                          |           |                          |       |                          |                      |                                     |        |                          |                      |                          |      |                          |                |                          |                        |                          |                                   |                          |                    |                          |                   |                          |       |                          |               |                          |                 |                          |            |                          |          |                          |             |                          |         |                          |         |                          |            |                          |               |                          |            |                          |        |                          |                    |                          |                                 |                          |              |                          |         |                          |               |                          |             |                          |                       |                          |                  |                          |